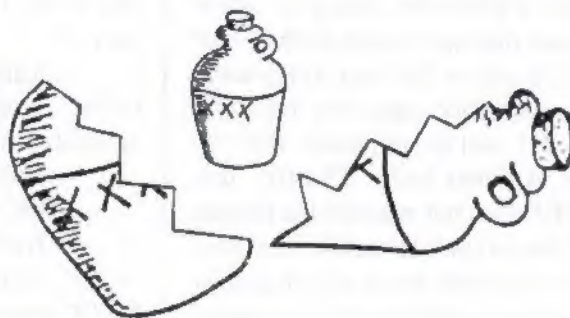


JUF



EDITOR, W6ISQ
JOHN G. TROSTER
82 BELBROOK WAY
ATHERTON, CA., 9027.

NUMBER 22
APRIL 1, 1991

PRESIDENT: W6ISQ
CONTEST CHAIRMAN; N6TV

VICE PRESIDENT: N6TV
DIRECTORS: K16EZ; N6KT; A16V; WZ6Z

SEC /TREASURER: AD6E
ED. ASST: KC6NFE

IACAC AWARDS NCCC MAX 7.92 MULT

JUF EDITOR RESIGNS

Editor of the JUF, and president of NCCC, W6ISQ, resigned all Club duties on March 4, following his triumphal attainment of the prestigious NCCC "Five Million Point Award". His Casual Contester score in the ARRL CW contest put him over the top.

The JUF editor stated, "I set my goal to achieve the prestigious 5-meg award during my reign as president.

(Cont. page 2, col. 2)

INSIDE THIS ISSUE

Salad Round Table
Trosteroster
Awards, Photos
FFs, K6HIH, K6PU,
K1EA Usage
W6RQ Double SS Peaks
WA6AUD Bees
Next Meeting
Much, Much More

Take a Chance--
Read it All

NEW CONTEST CLUB

NCCC Founding Father (FF), Mr. James B. Neiger, N6TJ, world famous contest operator and Founder of Contest Clubs, announced that he would form still another Contest Club. This new club will be known as the Central California Contest Club, CCCC.

Mr. FF James B. Neiger, N6TJ, has been active for many years founding contest clubs all over the world. He formed the famous NCCC, Southern California Contest Club, Barbados CC, Ascension Island CC, Antigua CC, plus many others.

Mr. FF James B. Neiger, N6TJ's new CCCC territory will be a strip of land one mile wide land running the length of the State of California from the Oregon border to Mexico. The center line will pass generally through Redding, Sacramento, Visalia, Bakersfield, Barstow, Palm Springs and El Centro.

Mr. FF James B. Neiger, N6TJ, can supply interested persons with a map of the serpentine center line of the

(Cont. on page 2, col. 1)

NCCC HAS WORST PROP IN WORLD

Geneve, Switzerland. The International Amateur Contest Adjustment Committee today announced it has assigned its highest Maximum Adjustment Factor (MAF), 7.92 to the Northern California Contest Club. The MAF is that equalizing factor number by which contest clubs will multiply their club score to calculate final adjusted total club scores for international competition scores. They will, however, also apply to USA's popular Sweepstakes contest.

The IACAC concluded its four year study of scoring inequities based on geophysical and physiographic location by stating: "the NCCC has the highest category rating for its world class operators (77%) but has the worst location factor in the world. Clearly, NCCC would always emerge first in any contest if their area were located anywhere but Northern California. We hope the new "handicap" MAFs assigned today will make international scores more competitive."

(Cont. on page 2, col. 1)

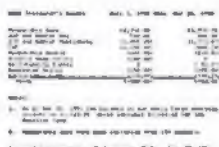
New Mult. cont.,

IACAC spokespersons did not elaborate on detailed specific reasons for the pitiful NCCC propagation area. They did summarize their thoughts though: "It is believed that radiation in Northern California is somehow strangely inhibited by the parallel directions and mineral content of the Coast Ranges and the Sierra Massif Mountain Systems which seem to resonate the ground reflective capacity negatively (possibly enhanced by the 5-year drought) and in conjunction with the absorption nature of the San Andreas fault. Clearly, this resonance and sublimation of RF does not enhance the bounce or increase the yagi effect of the ground potential. Northern California is clearly an area with terrible bounces and almost complete RF absorption. We are astounded that NCCC operators are able to communicate at all or compete under such unbelievably adverse conditions. We assign the following adjustment MAFs:

| | | |
|---------------------|-------|-----------------------------|
| Northern California | 7.92 | Worst prop in world. |
| Southern California | 3.72 | Tunnel effect to all parts. |
| Northwest | 3.19 | Too close to Eu and JA |
| Rocky Mountains | 2.34 | Great bounces |
| Texas - Gen'l SW | 1.35 | Good reson / refl stuff |
| Gen'l Midwest | 1.03 | Close to everywhere |
| Southeast | -2.92 | On top of everything |
| East and NorEast | -6.49 | Big bounce to everywhere. |

The IACAC directs that all contest clubs use their appropriate multiplier- equalizer at once and beginning with the WPX SSB contest.

TREASURER'S REPORT



New NCCC, cont.,

new CCCC. If you find that you do not live inside the CCCC boundaries, Mr. FF James B. Neiger, N6TJ, will gladly swing the center line to include you in. Mr. FF James B. Neiger, N6TJ, says dues are moderate.

Mr. FF James B. Neiger, N6TJ, would like to have the club formed in time for the Sweepstakes contest. Volunteers to be club officers are solicited. You should not apply unless you are willing to be a club officer.

Mr. FF James B. Neiger, N6TJ, will be taking up winter residence in Palm Springs to get ready for the Contest season. Mr. FF James B. Neiger, N6TJ, also formed contest clubs in D44, 9Y4 and YV.

Editor resign. cont.,

Having done that, I will never ever enter another radio contest. All that all night stuff— enough is enough with these contests. My resignation as editor and president is effective instantly. Not even a 10 meg award could lure me back. Nothing can. Sorry!"

Editor ISQ wrote out this statement and turned it over to the editorial associate, KC6NFE, for typing on the computer. ISQ and NFE are related.

NFE: "I will not type your resignation."

ISQ: "Why not?"

NFE: "You will not quit contesting. You will not quit NCCC. I like those live-wire NCCC folks. I want to go to the NCCC meetings and chit-chat with those world-class ops and hear the great round table stories and adventures and collect dinner money. You will NOT quit."

ISQ: "I don't want no more contesting. I'm burned out. I quit. I want out. I did my duty and made 5 megs. Time to turn everything to the New Eagers... I want to get back to my stamp albums."

NFE: "You don't want supper tonight, I guess."

ISQ: "What's that got to do with my QRTting?"

NFE: "I like NCCC and contesting. You're gonna stay."

ISQ: "I QRT."

NFE: "No more DUBS (Delicious Undercooked Brownies for NCCC) either. And I'll grind your popcorn to a powder."

ISQ: "You can't do that."

NFE: "And I'll melt your ice cream."

ISQ: "Ahhhhh....well maybeeee I could keep my membership and sneak into meetings after supper."

NFE: "I'll make you a deal. I'll cook and I'll make DUBS and you can resign as president if you insist. But you must stay editor of the JUF for a few more months. I'm just learning desk-top publishing and I like to go to the meetings."

ISQ: "Walll.....OK. I'll just resign the president job, but I'll stay stay editor for a little while longer. And you will assist by running the Macintosh

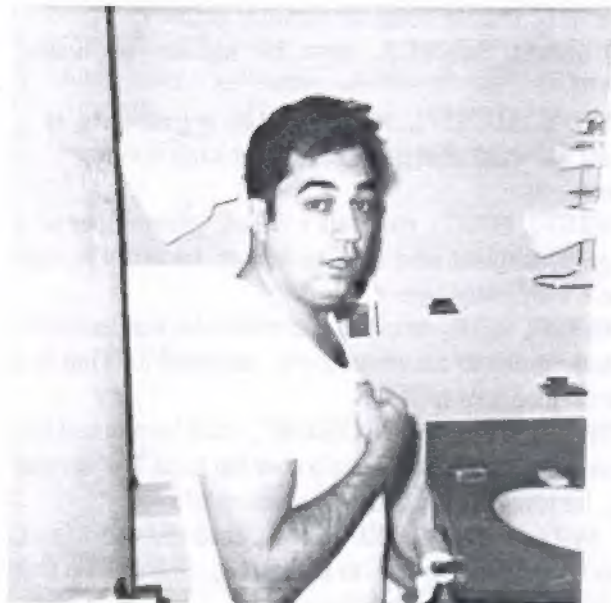
NFE: "S'ah deal. Write your resignation. What you want for supper?"

ISQ: "Ahhhh.....I think maybe you....ahhhh...say when does my term as president expire naturally?"

LAST MEETING

Hey, did we have the Mother of All Award Banquets at the Pleasanton Hotel! Sixty- five rowdy, stomping members showed up to claim their honors, cheer the winners and vow to set new records next year.

Imagine in one club, in one room, at the same time, both apparent top winners. We had it: Trey, WN4KKK, Sweepstakes Number One CW champ, and Jim, N6IG,



W6RGG
Who me?



N6TJ



73, "Rick" K6VVA
Please Ask For:
Eric Hilding
(408) 778-0900
(408) 842-2222 ²⁰⁰⁷ _{4/2}

Then and now

FOUNDING FATHERS

Thanks fotos N6TJ & W6CF



l. to r.
K6AUC,
W6CF,
K6RV,
K6EBB



l. to r. K6EBB, W6RGG (eating again), N6RO,
W6WX, K6PU

Sweepstakes Number One SSB champion! Hoorayyy! Congrats to both TOPOPS. Trey was in Texas when he won. But watch out, he's here now and raring to go again.

Now add this. **Rich, N6KT**, possible winner, single op, CQWW-SSB champion operating as HC8A. Our JUF runneth over!

NCCC is also proud to have members who consistently rank among the top individual and multi-op stations in the US of A, in any contest. Readers outside NCCC know these calls as well as we do.

But let these TOPOPS speak for themselves in our World Famous.....

SALAD ROUND TABLE

First we welcomed the new members who joined or rejoined at this meeting:

W6SUZ, TIM, who operates 80% CW is from Stockton. He's been licensed two years and already has his Extra Class. Has an Icom 751 plus a kilo, a tribander and packet.

AA6PG, DAVE, of Los Altos Hills, recently re-licensed as an Extra Class. He also has an Icom 751, Ten Tec Titan, TH7, 2 el 40, 80 loop and 160mV. Wow, 80% CW. W6 winner in WAE in '89, W6 winner in CQWW assisted CW, and made 1.9 milli-yun in WW '90.

K0RF, CHUCK, is living in Sunnyvale for a spell. We'd like to coax him to live out here for a long time, but we would have to find him a 100 acre lot on top of a mountain top and replace the five towers he has in Colorado. Suggestions?

AA6AD, BRUNO, is back. He was one of Cam Pierce, **K6RU's** TOPOPS. Cam would put Bruno on 40 meter fone, point him toward Europe and turn him loose with his eight languages. Problem is now that 40 meters is a night band, and that is star gauzing time for this amateur astronomer. Oh, he'll come around shortly. It must be Icom month because he also has the 751.

W6REC, DUANE, got his house completed—finally—and reports a hole dug for the tower. And he reports he is eager to chaaaarrgge once again.

WX0B, JAY, announced he was moving to Texas. Sounds like an old western novel. Can't imagine why, except he said something about getting married. He also reported he had a pre-nuptial agreement that the new Mrs. Terlesky would get an amateur license. Congratulations and good luck, Jay. Who will tell me now when they plant garlic in Gilroy!

K6H, JIM, told of going to the Yukon for Sweepstakes. He reported very poor propagation with the opening to W6 and much of the rest of the USA closed down by noon!

N6ZB, BOB said he was fairly inactive, but wanted to go big for WPX CW. CU there, Bob.

W6NV, OLLIE, announced he and other Orinda hams were very active in locals RACES operations. Good for

you. Others of us should consider similar activity.

WA6SDM, MERLE, says he has his first beam. Watch out all!

AA6QY, HERSH, reports that he is beginning to appreciate all the work that goes into those high scoring contest operations.

W6BSY, MAC, congrats to Mac, grandfather of a brand new granddaughter who will, he insists, be in the Novice Roundup at a very early age.

W6RGG, BOB, stood up and told us he was in ARRL fone test, and, much to his amazement, enjoyed it. That is a matter of some concern to Bob!

K16CG, "CRAZY GEORGE", said he worked the ARRL test on 15 because he did not bother the local TVs on that band. But, he tore up all the local telephones!

WZ6Z, HOWARD, introduced his old friend, **K0RF**, who introduced Howard to contesting. RF said he was homesick for his 15 towers in Colorado! hi

N6ST, STEVE, reported 100 mph winds at his mountain retreat during the contest, but he still made a milli-yun. Steve will be interested in **W6QHS's** new book and talk at the next meeting.

N6IG, JIM, is moving into a new home. No antennas allowed. Oh, Oh. There's a fist/mike for hire!

W6FSJ, WENDELL, said he works all contests and they are all the same. Masybe he's right. Ya got Qs and mults and keep doing it. What else? Wendell ought to know. He's been doing it coming up on 60 years.

K6TMB, LOU, said he was scuba diving in **KH6** during the last contests. Better make up for that goof in **WPX!**

W6OSP, MODEST BRUCE, said he always lets Wendell win contests in the Napa area. But he still likes to get in his licks.

N6TU, BRUCE, said he would be in **WPX** using **WZ6Q** to compete with **WZ6Z** operation at **N6RO**.

K6ZM, PHIL, says his antenna needs work, but he'll be in **WPX**.

W6OAT, Fe2O3, stood up and sat down so fast I missed his usual interesting and exciting comments. What did you say, Rusty?

N6KT, RICH, announced the arrival at his house of Raquel Anne at 7 pounds 9 ounces of her. Congrats OM!

Thank you all for your comments. If I missed anyone, my apologies. Could be you spoke too fast or too low for my pencil. I'll catch you next time.

Please do not forget to send **W6CF** your version of how this NCCC Newsletter got its name.
Big T-Shirt and Button Prizes.

THE PROGRAM

Ollie, W6NV, told us about his experiences in CQWW CW at Julio's, D44BC, Cape Verde Island off Senegal. He knew he would have an exciting time when he was met at the airport by the Chief of Police and escorted to Julio's house. Turned out the chief was Julio's good friend!

Cape Verde was a staging area in the 14th and 15th century for Portuguese explorers catching the trade winds to the New World, or heading south around Africa to the Spice Islands. Later it was a coaling station for the English Navy. The people were also engaged in 19th century whaling trade. It was, in short, a crossroads as is reflected in the present melting pot of multi-cultured citizens from all lands and persuasions. Julio, for instance, has one son educated in the USSR and another in the US. Boston is the center of the Cape Verde population in the US.

Before the contest, Ollie rebuilt the D44BC station, but had the misfortune of shearing a pin in the antenna rotating clamp. So the antenna floated free during the contest, "but it didn't matter", says Ollie.

W6NV not only gave a gung-ho pre-view of this year's NCCC Field Day, he's taking on the role of manager of Field Day for us. He wants to pitch tents in the ozone layer which lies along the top of his ridge overlooking Orinda. More info on all that in a month or so. Ollie will coordinate. Thanks for an interesting presentation, Ollie.

AWARDS

Right here at the top we want to acknowledge and thank those who do the work all year long to make the NCCC Awards Banquet possible.

Starts with Secretary/Treasurer Al, AD6E, who last July reserved the Pleasanton Hotel for the occasion! It's a fine dining room, ideal for the awards banquet, ample, private for our rowdy antics, good food and service, ... you could say Pleasant! (P. S. Al, already, has reserved it for next March!).

When you see a plaque on an NCCC wall for contest achievement, it was Phil, K6ZM, who got it there. The NCCC plaque awards for our DX Contests are determined, designated, designed, ordered and delivered by K6ZM. Takes much time and thoughtful effort to do all this for the club, and Phil has been doing it for many years. This year's plaques were especially handsome and well done. Our appreciation, and profound thanks, Phil.

Phil and contest chairman Bob, N6TV, handed out the DX contest awards. There were a goodly number and I hope there is a picture of all the different winners in this JUF.

CQP, NCCC's own world-renown contest also requires a tremendous amount of work to organize and compile results. We thank Gary, WA6VEF and Nikki, VE7NKI, way up there in VE7-land for all the preliminary announcement mailings to individuals, magazines and clubs the world over. Starts in the summer, and reportedly, they sent out over 1000 letters. Their efforts to alert the world paid off as you can see in the fine turn out for the event. Many thanks Gary and Nikki.

Jim, WA6AUE spent the better part of four months to compile results and write comments. A gigantic chore! , done beautifully. Thanks from CQP enthusiasts, world-wide.

Next, we have Bruce, W6OSP, who obtained those 60 bottles of wine! No small task, but he does get his perks because he insists on taste-testing all the wine! He is now scurrying around to find a replacement source, because last year's winery closed. Keep hunting, Bruce, and our thanks.

Bob, N6EK, turned on his friendly computer and created individualized labels for each bottle of wine—all 60 of 'em, plus individual certificates for each and every winner. In addition, he ordered very snappy looking plaques, some with California state outlines in onyx. Those bottles of wine that were not claimed at this meeting, and are not claimed in Visalia, will be shipped to awardees together with certificates. Bob, with the help of WZ6Z, will accomplish this. Takes much time and effort. Huge thanks to all.

The Founders's Award (donated by N6TJ), won by NU6S was not ready. Phil did not like the way it turned out after the addition of another board to extend winner's names. It will be re-done and awarded. The Chairman's Award (donated by N6TV) was won by KI3V/A92. But as most of you know he is in the Persian Gulf signing A92KN. So we'll have a full presentation when he returns. He hopes to be at Visalia.

Hope we didn't leave anyone out. If so, double mention next time. Final, hearty, congratulations to the winners, and thanks to those who made the festivities possible.

**Mr. FF James B. Neiger, N6TJ, also founded
contest clubs in KV4, JY, SU**

THINK EFFENEFF

HOW THE JUF WAS NAMED THE TRUE STORY

Please note: The editor of the JUF sent Prof Doc Herr Sitzmann, James A. Maxwell, W6CF, Chief NCCC contest sponsor and judge, his version of how our well-known newsletter, the JUF, got its name. Prof Doc Sitzmann, W6CF, sent the manuscript back immediately saying, "You have cheated. Your story is so accurate that you must have been at the Founding Father's meeting. I cannot accept this documentary piece. My JUF-naming contest was for people who were not there and who would like to make up a piece of fiction about how the JUF got its name. Your documentary is disqualified. The contest is still open for works of fiction on how the JUF was named." So, I'm disqualified. I'll publish it myself. Here it is, that true documentary of how the JUF got its name.

Once upon a time, The Founding Fathers (FFs) were standing around feeling sorry for themselves. They had just been ostricized from the DX Club for daring to wish to participate in many contests just for the sake of contesting all by itself. Said they:

N6TJ: (the very same Mr. FF James B. Neiger, N6TJ, of contest club organization fame) "Ain't nothin' left but just us fellas."

W6RGG: "Just us poor fellas."

K6EBB: "Just us loyal band of fellas."

K6AUC: "We need a newsletter for us fellas."

N6RO: "Maxwell, (the very same Prof Doc Sitzmann of club limerick contest fame) will you write a newsletter for us fellas?"

K6PU: "First we need a name for the newsletter for just us fellas."

W6CF: "Well, the newsletter is for just us fellas. Why not....call it call it...THE JUF.....Just Us Fellas?"

TJ - RGG - EBB - AUC - RO - PU:

"Terrific. Sounds great. We'll call our newsletter the JUF."

K6VVA: "Where is the ice box?"

W6CF: "It will be my extreme pleasure to be editor of THE JUF."

And that's the TRUE STORY about how our newsletter was named. Apparently some unscrupulous editor between the original JUF editor and now, chose to change the name from JUF to JUG. Either that, or he couldn't type so good and his finger slipped off the "F" over to the "G" key. There is absolutely no reason to have changed the original name! I think we ought to change the name back to the JUF. Maybe I will do it. ... de W6ISQ



N6IG and WN4KKN holding valuable DUB trophies.



Awards Chairman K6ZM



N6KT and W6NV

TROSTEROSTER

We were privileged to have Judy Whittle, wife of the late **AK6T, Pat**, at the Awards Banquet. Pat as you know, had been editor of this newsletter. Judy is completing the book Pat was working on. Very good to have Judy with us.

At the banquet **Bob, W6RGG**, was unanimously voted to be the NCCC referee to assist Chief Referee, **Bob, W6RJ**, at the finals of the First Annual International F & F Tournament. RGG demanded a back-up ref be named in case he is in the finals. Phil, **K6ZM** was unanimously chosen.

We want you all to know that the prize money for the F & F is being donated by **HRO**. That is \$100 first prize, \$50 second, \$25 third, \$15 fourth and \$10 fifth for each mode, i.e. each "F". Very good and generous of HRO to add to the fun in this way. Everybody gets a chance to joust for the gold.

The finalists will be announced by **Kip, W6SZN**, MC for the banquet. After the banquet, finalists and audience will adjourn to the Plaza Room across the hall for the final ordeal by fire and foam.

It is reported that **W6RJ** is still physically training somewhere. We do not know where. He has not been spotted chasing up his mountain by our scouts. We only know that a courier delivered a message from him stating that **W6RGG** better shape up fast with some sort of Tommy Lasorda treatment or he won't last the tourney. Ditto **K6ZM**. Shape up now!

Ken, N6RO, announced at the banquet that his station would participate in the phone WPX contest using **Howard's** call, **WZ6Z**, and go for a world record. He has a dozen TOPOPS who are challenging the world. What a challenge. As you read elsewhere in these pages, NorCal is the worst propagated bounce spot in the US of A. So a life or death challenge from these NCCC TOPOPS assumes weighty proportions. The gauntlet has been flung, the armour hung on, the men mounted on their chargers.... pass the lances.....Chaaarrrrrrge!

Now if only they don't get voltage spikes, if only the noise level stays below S-8, and if only those three antennas get fixed before Friday, and they can locate two more antenna tuners and three finals, and the food holds out, we bet they triumph and do set a new world record. I forgot to ask if they need Lou's D-104 which I could donate. Any results by press time will be published.

Finally, this was the first meeting since last July that **W6RGG** did not win a DUB for some outstanding achievement. His **XYL Gwen** won one, of course. But don't feel too



N6IG, Contest Chairman N6TV, W1FEA



N6TV and W6BIP



N6EK and N6TIB (USMC)

sorry for Bob. The OB snuck up after the meeting and snatched the one your editor was going to eat on the way home. I think that was RGG Bob but it could have been TV Bob!

But that was last month. Look what Bob, RGG, generated this month. The editor had call from IARU President Dick Baldwin, W1RU as he was passing through SFO enroute to Hong Kong to train administrators there in matters of amateur radio. He asked, "Who is that fellow who does the W6TI Bulletin from out here?" I replied, "He is one of your SCMs and NCCC's very own, Bob, W6RGG, who has been doing this Sunday evening Bulletin for the NCDX every week for 20 or so years." He said, "Does he send all that by key or is it on tape?" I said, "He sends it by hand because he only gets the information about 15 minutes before he sends it." Dick replied, "Well, he is a terrific operator, not only his keying, but also the content of the bulletin." Congratulations, Bob, and if Maggi ever bakes any more DUBS, you get the first one.

In Print: Howard, WZ6Z's, picture and story about Lithuania, in QST. You recall Howard told us about this incident at the February meeting. Also hope you all read N6TV's article about transceivers in the recent DX Magazine.

Jim, N6RJ, creator of the popular "N6RJ Second Op Version 3.0" writes to ask for NCCC op comments about his latest Second Op. If you use one of these helpers, let Jim know your thoughts. Better yet, tell him when you see him in Visalia.

AND IN CONCLUSION

Election of Officers: NCCC By Law Article IV, Section 1, reads in part "...all said officers shall be elected annually by a ballot and by those members in attendance at the regular April meeting." That meeting will be our next one, April 19.

Our nomination committee Chairman Rich, N6KT, and associate Al, AD6E, are scrambling ferociously to find three new victims....ahhhhh....exemplary and hard-working leaders to take over the main throttle of the NCCC dynamo, plus three more of same for the Board.

Actually, my friends, being the president of NCCC is a lot of fun. The principal duty is to find a meeting place each month and a speaker. We have been alternating between the Wagon Wheel in Mt. View and Miguel's in Hayward. No big problem in that category; so that leaves speakers or some sort of program. There's great help in this category from the members. You are not out there all by yourself. You have a Veep, Secy/Treas, a Board, and a membership, willing and wishing to contribute. They all want a good club and interesting activities as much as you do.



CQP Awards chairman N6EK. Typical professor--mouth open.



N6EK and W6FSJ



N6EK and N1EE

As you can see, presidential duties are not very much a problem. By actual stop-watch timing, it takes an editor 834 times the sweat and head-beating to edit the JUF, than it takes a president to arrange meetings.

Members can look forward to serving in many ways. It is very satisfying, I assure you, to be able to say with pride that you have been an officer of NCCC. Here in the high chair of NCCC—me, a Casual Contester—soaking up reflected glory for the deeds of the TOPOPS in the world, NCCC does not need to thank me for being president. I thank NCCC for the privilege, pleasure and fun of being in the job. Actually very good for the character. Hones persuavise behavior trying to get people to talk and to run for office! Naw, just foolin'.

So when you get a call asking you to serve NCCC, don't automatically say no. Think about the satisfaction and pride of having put your brick to the wall, contributing to the spirited and stimulating activities of an outstanding club.

As yet, we cannot print a list of candidates for office. Those who will be your next ruling class have not yet volunteered. We will keep you informed via Louese on the Morning Commute two meter net. Tune in and talk your way to work.

THANKS

To continue the thoughts above, but on a personal level. It's appropriate for me to acknowledge the tremendous help given to the Club and to me, by our Veep and Contest Chairman, Bob, N6TV. Not only did he keep me on track most of the time, but he had the vinegar to run up great scores in the contests too. The same goes for Secretary/Treasurer Al, AD6E, who keeps accurate books and doesn't complain when we overspend. He got his 5-Meg award this year too! I couldn't have had better.

My thanks to the excellent Board: Alex, KI6EZ; Rich, N6KT, Carl, AI6V and Howard, WZ6Z (who also is our Mailing Label Chairman). They made the decisions that kept the club buzzing along. Also thanks to Repeater Chairman, Bob, W6RGG, who knew the history and the precedents of the club and kept us on track with his Rules of Order. Thanks again to our diligent Awards folks, Phil, K6ZM and Bob, N6EK. Thank you, NCCC, for the wisdom of surrounding me with such goodly helpers!

Now back to work on the JUF. I'm running late and Associate Editor, Maggi, KC6NFE, needs material to feed the machine. I did promise to learn how to turn on the Mac last month and I finally did. I found the switch way around on the back side! Couldn't even see it. How was I to know they would hide it to make it tough for us Casual Computer types to turn the darn thing on. For the next lesson, I ask for three months to learn how to bring all that stuff up on the screen.

This has been a year of fun progress for us. Maggi got her Tech ticket and is really interested in contesting now. Well, actually, she likes the meetings and the people she gets to talk to. And she likes the fact that working on the JUF has occasioned her learning desk-top publishing. She is agitating now to get into the WPX. So maybe, just perhaps, we'll get another dues paying member one day.

We thank you all de Jack, W6ISQ
Will you accept the F & F challenge?

BULLETIN BOARD

Founding Father Jim, W6CF, it is your turn to submit your recollections of the early days of NCCC. What about that first break-away meeting, the first organizational meeting, the early contests, the first JUF, etc. etc. We need it in early, before we both leave for Dayton.

Bob Hill, W1ARR, former NCCC member and editor of the JUF, said he would be happy to write a guest editorial for us—— if and when Jim, W6CF, sends him the T-shirt he won in CF's Limerick Contest! Send it today, Jim. And, while you're at it, send me the one you say I won, too!

FOUNDING FATHER REMINISCENCES

John, K6AUC, sends along his recollections of some of the early days of NCCC:

"As to the early times, my memory is unclear. I do remember that K6HIH and myself were editors of the DXer and pushing hard on the competition with SCDXC. (that was before the schism Ed.). At one meeting of NCDXC a number of members were becoming very frustrated with the general membership and Jim/Rusty made a list and collected \$1 for the charter membership for a new club of those interested in contesting. Eleven member signed up. Many members of NCDXC had a "loyalty" problem and it took some time for those other members to join.

I missed most of the early meetings so have little coherent memory with the exception of those for our first DXpedition to Mexico. That was an adventure in itself.

Ed. note: John, thanks for the above. Now we'd love to have your recollections of that DXpedition to Mexico, and your defense of the "Grapes of Wrath" automobile that caused the problem with the Border Guards. (See Ken's story.)

Early NCCC memories by Ken Anderson, K6PU

After moving to the Bay Area in 1965, I met W6CUF(W6CF), W6BHY(N6TJ), VE3DXV/W6(N6QR), K6DXM and K6EBB and was reintroduced to DXing and contesting. Shortly thereafter I joined the NCDXC. As N6TJ pointed out, there was a lot of interest in contesting that wasn't shared by all the membership of the NCDXC. As a result, there were often two meetings on the second Friday of the month. One at the bar and one in the meeting room.

I was there "that fateful night" when the NCCC was first conceived. There were a lot of "807's" ordered! That set the tone for those early NCCC meetings. Once a month, we'd gather at a member's home with ample beer and wine to overcome the shyness of people like W6BHY and W6RGG. There wasn't much formality, just a lot of sharing of common interests. We had fun but I'm not sure you could say the same for the wives and local Pizza Parlor night managers.

I particularly remember the first NCCC contest expedition. On Thanksgiving weekend of 1971, XE1KS, W6NUT(N6RA), W6NLZ, W6OAT, W6GFS(KN6J), WB6KBK, WA3GBU(K5TM), K6AUC, WA6PMK(AL7H), WA6UZA(N6RZ), K6VVA, K4TKM, W6HQN(K6KM), and K6CQF(K6PU) descended upon a small resort on the Baja Peninsula of Mexico to activate rare Zone 6 and XE in the CQWW CW test as XE1KS/2.

By car/truck/van, we transported hundreds of pounds of S Lines, C Lines, Alphas, LAR's, SR220's, towers and antennas from the Bay Area (no sponsors in those days). Enough equipment for separate stations on 160 thru 10.

John, K6AUC, arrived in something that looked like it had driven out of the pages of The Grapes of Wrath. Little did he realize that he would be delayed for 8 hours by the border patrol on exit as they "searched each piece of long pipe for smuggled goods".

Except for one other American couple, we had the resort totally to ourselves. They gave up early and moved out. Something about the noise on the roof when we changed the rotor on the 40M beam. We explained that we couldn't wait for daylight because the JA's and East Coast W's were coming in at the same time and long path Europe was going to open any minute and...

Sometime during the weekend, the resort owner closed the gate that led to the highway so we couldn't get in or out. At this point he gave us the keys to the bar and refrigerators. He said it would be easier to "count the empties" at the end of the weekend rather than charge as we went along.

Tom, W6NUT(160M), had wisely brought his wife as an assistant. As the contest start time approached, Rusty, W6OAT, and I observed Tina climbing thru the brush in the ravine next to the resort. Tom was standing on the roof of the resort giving hand signals to direct where to secure the far end of the 160M dipole. Tom had brought a large stack of books for reading, which I thought was a bit unusual for a DX contest, but what did I know about 160M. Bill, W6HQN, and I manned the 10M position which was next to the 160M position. We quickly observed that Tom (160M expert that he was) only operated 10 minutes an hour. Five minutes on the hour and five minutes on the half hour. "Anyone that operates 160M knows you only tune during those periods."

Everyone there swears that at the first light of dawn, Pete, W6NLZ(80M night person), flew to the darkness of the closet and slept hanging from the ceiling until dusk.

At one point the power line noise on 15M was so bad that a 2M link was set up so the 160M position could be used for pulling calls out of the pileup. Rick, K6VVA with one ear on the 15M receiver and one on 2M, maintained several hours of 100+ Q's in this mode.

Living conditions were primitive! We survived on the house speciality, lobster tacos. Also, the construction crew working on the resort addition prepared marvelous burritos cooked over a blowtorch.

In general conditions were very poor and power line noise plagued us all weekend. When it was all over, we had 3646 Q's/121 Z's/224 C's for 2,754,480 and had given many stations their only Zone 6 and XE of the contest.

INTRODUCTION TO THE "ODD ONE"

The editor of The JUF believes that its readers deserve the very best in educational literature of a broadening nature. Therefore, sparing no expense, we begin in this issue, a multi-part series by Mr. Hugh Cassidy, WA6AUD, entitled "The Odd One". We are not completely sure why Mr. Cassidy applies this title to the subject of this document which is about bees and their keepers and their keeping. But then, what's in a title if you are one of Mr. Cassidy's world-wide fans. This is a serialized form of what we believe to be Mr. Cassidy's first docu-dramas. This series should last about a year.

The JUF is the only radio magazine in the world presently publishing a series of docu-dramas on bees. We expect other, similar publications to begin the practice of publishing such educational material soon. You read it here first. And now

THE ODD ONE

Chapter One

BEES HOORAY--YELLOWJACKETS BOOO by Hugh Cassidy, WA6AUD

We once had to take the wire-haired terrier to a veterinarian on a holiday weekend. This was a new vet for us and they make an extensive, in-depth evaluation of a new customer. They were animal minded.

You had to answer a long list of questions, many about pets. After running through the usual list, they asked: "Any other pets have them". We put down: "350 000 honey bees" That got their quick attention. The next question was: "Do you ever get stung?". It is the eternal question asked of beekeepers. If you do not have bees in your backyard, you probably will join the ranks and ask the same question.

We do get stung occasionally. More by accident than anything else. Like putting your hand on a bee when lifting a super. It does happen but usually it is more of a surprise than an expectancy. You can work around the bees for months without getting stung. Actually, after a while it is the unexpected.

But on the other side, a beekeeper will consider other people a bit odd, other non-beekeepers that is. They see their neighbors every Spring planting tomatoes. In this neighborhood if the deer don't get them, the bugs will. Beekeepers have a hard time understanding that spring ritual. A beehive in the back yard will yield a far greater return in agricultural products. You might be surprised to find out how much. They are also good for the fruit tree crop, yours and your neighbors.

Then there are those odd neighbors who try to barbecue outdoors on summer days. Besides the smoke and the heat, they also get a chance to welcome yellowjackets. You can hear them shouting in the evenings: "Damn those bees! Everytime we try to barbecue they are all over. The city ought to do something about it!"

Do you wonder why such otherwise upright citizens should be considered odd? Well, for starters bees are not the culprits, it's yellowjackets who usually come uninvited to any barbecue. Bees are not carnivorous, they live on nectar turned into honey and on pollen. Yellowjackets, members of the wasp family, are meat eaters. Yellowjackets dine regularly on insects, even on bees. Yellowjackets frequently invite themselves to your outdoor barbecue. They are not especially particular.

Yellowjackets live in the ground. Bees usually live in modern modular homes well above the ground. Bees are gentle. Bees

generously share their honey surplus with you. Yellowjackets give you sharp reminders that their sting is far more virulent than honey bees. Honey bees pollinate fruit trees and crops. And honey bees are far more interesting. Get a beekeeper talking about his bees and you will find yourself wondering if he will ever run low on gas. You probably will wonder a long time. Beekeepers think that bees are great little insects. Learn a bit about honey bees and you will begin to understand the enthusiasm.

Backyard bees live in hives. Being industrious workers they are exploited. Honey and pollen are their basic foods. But because bees work so hard, there is often a surplus. The beekeeper takes part of that surplus as payment for supplying such nice quarters for the bees, these often located in the best of neighborhoods. It is an ancient arrangement, the bees and the beekeepers understand it. If the bees find their quarters inadequate to their needs, or otherwise unsatisfactory, they will pack up and move on, looking for a better deal. Beekeepers will often be heard saying: "Support your backyard bee colony". There is good reason.

Here in the states two varieties of bees dominate the commercial honey trade. These are Italian bees, a yellow-brown bee, and the Caucasian bees, a dark bee. There are others but these two really dominate the bee population. Actually there are a great variety of bees, even purple bees and brown bees. Because queen bees mate with a number of drones, it is not unusual to see different varieties of bees coming from the same hive. But they are honey bees all, certain breeds often selected because of special characteristics. Such as a fast build-up of the hive population in the spring, good honey gathering characteristics, resistant to some of the ailments that bees may acquire, lacking tendencies to swarm, important things like all of the above.

How do you get honey out of bees? You put them in a hive and they will do almost all the rest for you. You can let them go for months without any attention. They will gather and store honey, clean the hive, guard the door, forage in good weather, stay home and huddle in cold weather. They raise the young and give last rites to the old bees. Neptune Society rites. They train the neophytes with on-the-job programs, raise a new queen if the old one gets old and tired and low in production. They do all of this and will get up and move if you do not treat them right. Treating them right usually consists of supplying plenty of room for the hive to grow in and for storing honey and pollen. In the spring one adds honey supers as needed. Bees always do appreciate plenty of storage space.

(A "super" is the box(s) inside the hive which holds the honey. It is put in and taken out by the keeper).

---continued next month---



The accompanying article, "Using K1EA Between Remote Sites", was relayed through various channels from NCCCer Dick, G0MFO/AA6MC, in England, to our Chief of such research and other espionage matters, NCCC Veep, Bob, N6TV. If any readers use this system, the authors would like to hear from you. Also please advise N6TV

USING K1EA BETWEEN 'REMOTE SITES'

Just occasionally you might be confronted with a similar problem to the one we had at GW8GT in the CQWW CW Contest, a long(ish) distance between the two run and multiplier station shacks. This short note tells you how to get around the problem and still link K1EA multiplier stations together.

When two or more computers are in the same building and linked using the serial ports, it is simply a matter of connecting them up and then getting to grips with K1EA itself. However, the station we were running had two shacks, one housing the HF run station and two multiplier rigs and the other about 600 yards away housing the HF multiplier station. This arrangement simply suited the layout of antennas on site and serves to reduce interference problems between stations. The problem was how do you link two computers over that distance without running a long (RF susceptible) cable? Luckily packet radio saves the day again!

The answer is simply to connect a TNC to the computer at each end and then run it in transparent mode to shovel the data over. This has the added advantage that the TNCs provide data buffering and high integrity to the transmission of the data. In normal circumstances, if one K1EA machine goes down and another station is still logging calls, any data sent out over the serial line will be lost. The result is that, when the other machine has been re-booted, there will be a mismatch between the two logs held. This can provide endless hours of fun in post-even "fixing"!!!! This remote linking also does away with this problem unless one end is down for a very long time (about 200 QSOs worth!).

In theory the linking sounds simple but, in practice, it has to be done very carefully in the correct sequence. Here's how it's done:

Chose a very clear frequency on any band you like.

Connect up your radios and serial links to the computer as per your normal packet set-up.

Using a terminal program, set ABAUD 4800, PACLEN 255, DWAIT 0, FRACK 1, PERSIST 255, SLOTTIME 1, PACTIME AFTER 1, RETRY 0.

Boot K1EA on your machine.
At the front page set for a LOCAL TNC.
Finish the rest of the front page setup and press CTRL-Enter.
Wait for K1EA to reach its status page.
Press any key to start the main logging routine.
Type SETUP and set COM1 to 4800 and TNC.
Press CTRL-Enter.
You are now back at the callsign entry field.
Press Alt-T to open the packet window.
Press CTRL-C to make sure you are in command mode of the TNC.
Now connect, in normal packet style, to the other station (use different callsigns in MYCALL!)
Press CTRL-C to force command mode again.
Enter t to start transparent mode.
Press Alt-T to close the packet window.
Type SETUP in the callsign field.
Set COM1 to 4800 and Multi-n where n is the number of your station.
Press CTRL-Enter to save.

The link is now established and should stay active for the whole weekend! If the system crashes terminally (i.e. loses connection), then reset the TNC and perform the above procedure again (missing out the parameter settings).

RETRY 0 in the TNC is VERY important, because otherwise if one end of the link were to go down it will soon timeout. RETRY 0 ensures that not only will the link stay up, but that after a crash recovery will be swift.

Use of Converse mode with CR OFF and CPACTIME was attempted but, for some reason, K1EA didn't like it and got garbled data. It should have worked, but the transparent mode route seems to be 100% reliable so I have stuck to it.

This procedure allows you to interconnect any number of K1EA stations, operating over any (!) distance that can be bridged by a radio link. As for the legality of spacing the multiplier stations by large distances, I'm not sure, but certainly when you are at the same postal address which was the case at GW8GT then all is OK.

If anybody else has cause to use this type of setup I would be very interested to hear of any observations that are made.

Paul Evans G4BKI - VP9KF - 8P9FT
Courtesy of Chiltern DX Club Newsletter
December, 1990
relayed by Dick Dievendorff, G0MFO/AA6MC

Will you accept the F & F challenge?

SCREW THE GOLDEN YEARS

Thursday

Jack,

I kinda ripped this off. Some of the commas are misguil-
ed. But I promised to do it right away, so I did.

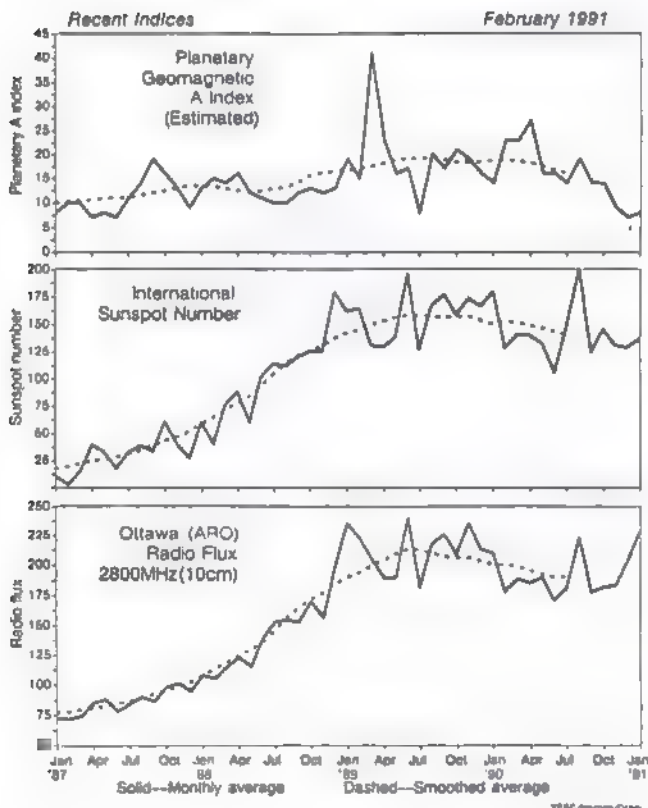
What's the difference between a Cat and a Comma?

A Cat has claws at the end of its paws, but a Comma
has pause at the ends of its clause!

Thanks much for the latest Jug. The story of the
phone call to Rusty made us both cry from laughing.
Thinkt I'll phone him just to get put on hold.
Wonder if they have a program schedule. Swan Lake's
o.k., but I've always liked the music from Giselle
better.

73,

ae



A DOUBLE - HUMPED SUNSPOT PEAK ?

Al Lotze, W6RQ

Preface: This little paper was put together in answer to the question, "How long will these great propagation conditions continue? We know that we've passed the peak of the sunspot cycle. What might we expect?"

The international organization, in Brussels, which calculates such things, told us that our current sunspot cycle (Cycle 22) began in September 1986, and peaked in July 1989. Now this doesn't mean that the sunspot number for July 1989 was the highest number for the cycle, it means that the 12-month running average (or smoothed 12-month average) peaked in July 1989. Similarly the end of one sunspot cycle (and the start of the next) occurs at the minimum of the smoothed monthly average of the sunspot count.

We say that our normal 11-year cycle has a fairly-smooth rise time of about 4 years and a decline time of about 7 years. The downhill side of the cycle is often less smooth. Our current cycle started with a bang, rising more steeply than any in history. But, just as suddenly, it pooped out, peaking in the record short rise-time of 2.8 years! The decline has been about as expected for a normal cycle, but now, unexpectedly, this January's sunspot count rose, and February's surge of activity gave us the highest single month of the entire cycle!

Are we going to experience a double-humped sunspot cycle? It has happened. Cycle 18 had a smoothed sunspot number peak of 152 in May, 1947. The figure declined to 135 in June of 1948, but then climbed back to 149 in October, 17 months after the peak.

Cycle No. 20 had a long flat maximum. The peak sunspot number was 111, in November, 1968. But the figure stayed at 104, or higher, for 29 months! Right now we may say that we are looking toward a second peak of our Cycle 22, some-twenty months after the July 1989 peak. An interesting thing to note also, the solar flare season which can be expected to follow the sunspot peak, seems to have been deferred. We haven't had a real killer solar storm for months.

But what about the actual level, or intensity, of the solar activity? The smoothed sunspot number for this present cycle was 158.1, in July, 1989. The peak of our previous cycle was 164.5, in December, 1979. Then many of us were on the air at the time of the "Mother of all sunspot cycles," Cycle 19, which peaked at 201, in March of 1958! What was the sunspot number when I surfaced on the amateur bands? It was 11, on its way down to 4! Surprising that I stayed around.

The Solar Flux figure hasn't been mentioned. With a possible oversimplification, let's say that the Solar Flux and the Sunspot Number actually go up and down in concert. Because of the complicated system of developing a sunspot count, daily numbers gyrate wildly, but averaged over long periods, the agreement is amazing. We continue to quote sunspot counts and use them in forecasts simply because we have so much historical data. Measurement of the Solar Flux didn't begin until February 1947, while we have good sunspot daily counts back to 1741. We employ the two measurements almost interchangeably - like we say we say, "on twenty meters or on 14 MHz" without thinking.

Measuring the Solar Flux is done by pointing an antenna at the Sun and measuring the noise level at 2800 MHz. The more spots there are the greater the noise. Solar Flux measurements are much more amenable to every day readings. Counting sunspots during a rainstorm risks the hazard of getting rainwater into one's telescope. We'll probably see both measurements around for a long, long time.

All NCCC members at the Awards Banquet took an oath to participate in the First Annual International F & F Tournament in Vislaia.

Robert S. Fabry
1175 Colusa Avenue
Berkeley, CA 94707

28 March, 1991

To the CQP Plaque Donors: W6TKV, K4TKM, KA6ING, W6JTI, WJ6Q,
K6MP, WA6OTU, WA6ZBX, N5OVV, VE3BQL, the Palo Alto Radio
Association, and the Redwood Empire DX Club

Dear Friends of the California QSO Party:

On behalf of the Northern California Contest Club and all of us
who worked on CQP, I would like to thank you for your help in
making this contest a great success.

We have received the plaques back from the engraver and they look
great! This year, we are awarding sixteen plaques, twelve of
which you have sponsored. These plaques represent the largest
single expense associated with the contest, over \$500. Your help
in sponsoring the plaques allows the budget support from the NCCC
to be used for publicity, duplication, postage and so on.

For your information, I am enclosing a xerox copy of the
plaque(s) which you sponsored. Some of them were given out at
the NCCC awards banquet last Saturday night. Some will be given
out at Visalia. The remainder should be sent out in mid-May.

If you have any suggestions for improving the contest or any
other comments, we would be glad to hear them. We expect next
year's contest will be a four way effort. Gary Caldwell, WA6VEF,
will handle the publicity, receive the logs, and collate the
results; Jack Troster, W6ISQ, will handle the write-up of the
results; Bob Wilson, N6TV, will again coordinate the activation
of all California counties; and I will again handle the awards.

We hope that you will want to donate a plaque again next year.
Gary or I will be in touch with you as the time approaches.

Sincerely yours,

Bob Fabry, N6EK

23 March 1991

Northern California Contest Club
3330 Farthing Way
San Jose, CA 95132 Attn: Al Maenchen, Secretary

Dear Al,

Let me begin by apologizing for our late answer to your welcome
letter and contribution. Our normal policy is to answer all letters
promptly. That is certainly not the case here. I shall not attempt
to excuse the action. The fault is mine and mine alone and I am
very sorry for it.

We share your regrets in Pat's passing. He was a fine gentleman,
a good amateur and contesteer - a man who will be missed.

Thank you, and through you, the complete Contest Club membership
for your generous contribution in his memory.

(NCCC sent NCDXF \$100 in
Pat's memory).

73


Eric B. Edberg, W6DU
Secretary



Will you accept the F & F challenge?



N6EK and AA6QY

NCCC Treasurer's Report

July 1, 1990 thru Mar 25, 1990

| | | |
|---------------------------|-------------------|-----------------|
| Membership Dues | \$2,250.00 | \$3,255.05 |
| JUG and Roster Ads | 500.00 | 400.00 |
| JUG and Roster Publishing | (1,000.00) | (1,733.87) |
| CQP | (1,100.00) | (660.70) |
| Membership Awards | (600.00) | (210.91) |
| Visalia Hospitality | (200.00) | 0 |
| Self-Funding Events | 0 | (26.27) |
| Sponsored Awards | (150.00) | (100.00) |
| Contingency Fund | (200.00) | (140.24) |
| <u>TOTAL</u> | <u>\$(500.00)</u> | <u>\$783.06</u> |

Notes:

1. As of Mar 25, 1991 the balance in our Wells Fargo checking account is \$2,723.39 which includes \$1,153.65 for the Repeater fund.
2. Membership dues have been collected from 134 members.

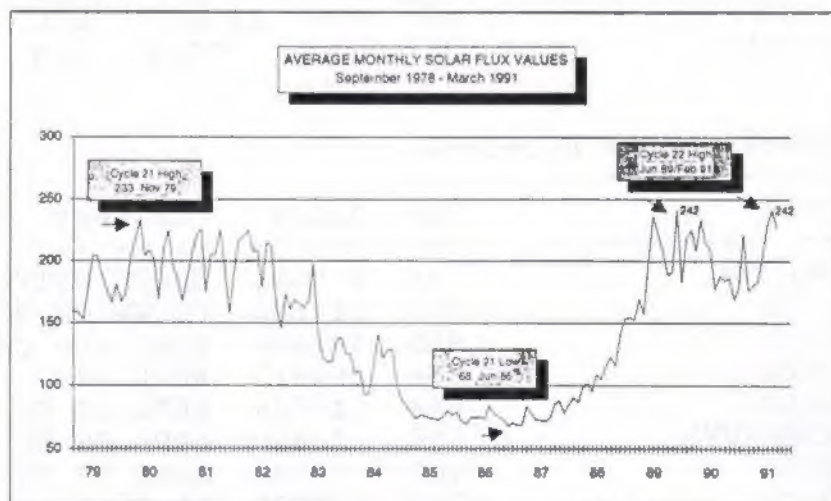
Respectfully submitted, Al Maenchen, AD6E, Mar 25, 1990



l. to r. N6TV, N6IG, N6TU, K6RO, W6BSY, WX0B



N6EK, N6TV, KS6II



Reprinted from Frankford Radio Club Newsletter, April 1991

ARRL DX CW Claimed Scores:

COMPILED BY CONTEST CHAIRMAN BOB, N6TV

| Call | Qs | Ms | Score | Categ. |
|-------------------------------|------|-----|---------|--------|
| W1FEA(+K2BA) | 2671 | 338 | 2707380 | M/2 |
| WZ6Z(+K0RF) | 2122 | 355 | 2256735 | M/2 |
| N6RO(+K3EST, W6RGG, KI6EZ) | 2075 | 329 | 2048025 | M/S |
| N6TV | 1846 | 306 | 1694628 | S/O |
| GOMFO(AA6MC, op.) | 1886 | 232 | 1312656 | S/O |
| NF6S | 1087 | 250 | 815250 | M/S |
| N6EK | 1165 | 210 | 733950 | S/O |
| NC7K | 1036 | 224 | 696192 | 150w |
| AD6E | 616 | 229 | 423192 | 120w |
| WN4KKN(at N6RZ) | 1311 | 99 | 389367 | 15m |
| W6BIP | 422 | 222 | 281052 | S/A |
| N6TU | 865 | 95 | 246525 | 10m |
| W6ISQ | | | 222573 | S/A |
| W6FSJ | 528 | 129 | 204336 | S/O |
| AA6QY | 424 | 148 | 188256 | S/O |
| N6ZB | 496 | 72 | 107136 | 15m |
| KS6H | 315 | 80 | 77600 | S/O |
| W6FAH | 125 | 84 | 31500 | S/A |
| K4TKM/6 | 60 | 60 | 10800 | 15m |
| WA6SDM | 68 | 44 | 8976 | S/A |

Milliyun Point Award Winners:

Congratulations to the following people for making over 1,000,000 points for the NCCC in the 1990 CQ World-Wide (both modes combined, single-operator only):

| Call | Points |
|-------------------|----------|
| HC8A(N6KT, op.) | 12276477 |
| P40V(A16V, op.) | 9800000 |
| D44BC(W6NV, op.) | 6100000 |
| N6TV/KH6 | 5622005 |
| NU6S | 4934578 |
| WR6R/KH6 | 4503984 |
| KI3V/7 | 4263614 |
| 5W1RA(N6RA, op.) | 3721048 |
| N6EK | 2153598 |
| AA6PG | 1906284 |
| WZ6Z | 1808766 |
| GOMFO(AA6MC, op.) | 1761280 |
| K6HNZ | 1656534 |
| K6PU | 1424685 |
| W6FSJ | 1319280 |
| W6NV(WB6SHD, op.) | 1202565 |
| AA6KX | 1173763 |
| N6ST | 1098390 |
| N6DA | 1056100 |

Award certificates may be picked up at Visalia or at the April NCCC meeting. Others will be mailed.

ARRL DX Phone Claimed Scores:

| Call | Qs | Ms | Score | Categ. |
|----------------------------------------------|------|-----|---------|----------|
| N6RO(+K3EST, W6RGG) | 3620 | 419 | 4550000 | M/2 |
| W6GO(+NV60, NB6G, AA6WJ, AA6LB, K6HHD) | 2870 | 396 | 3400000 | M/2 |
| W1FEA | 2630 | 366 | 2886642 | M/2 |
| N3AHA | 2133 | 313 | 2000000 | S/A |
| N6TIB | 1660 | 282 | 1404360 | S/O |
| NC7K(+KZ4H) | 979 | 239 | 701943 | M/S 100w |
| N6EK | 973 | 168 | 490392 | S/O |
| W6ISQ | 750 | 190 | 427500 | S/A |
| N6ST | 605 | 238 | 431970 | S/A |
| WA6SDM | 502 | 264 | 397584 | S/A |
| W6FSJ | 625 | 158 | 296250 | S/O |
| KS6H | 471 | 79 | 111627 | S/O |
| W6FAH | 211 | 126 | 79758 | S/A |

750 QSO Award Winners:

Congratulations to the following people for making over 750 QSOs for the NCCC in the 1990 CQ World-Wide (both modes combined, in-territory, multi-op QSOs divided equally):

| Call | Tot. QSOs |
|---------|--------------|
| NU6S | 3898 |
| WB6SHD | 2814 |
| KI3V/7 | 2802 |
| N6EK | 2309 |
| N6IG | 1970 |
| K6HNZ | 1422 |
| W6FSJ | 1349 |
| N6TIB | 1257 |
| WZ6Z | 1241 |
| W1FEA/6 | 1196 |
| NC7K | 1176 |
| KF6VU | 1157 |
| NF6S | 1157 |
| N6ST | 1118 |
| K6PU | 1104 |
| AA6KX | 1099 |
| N6GG | 1082 |
| K6TMB | 1065 |
| N6RO | 1065 |
| N6DA | 1055 |
| WX0B | 1051 |
| KE6ZE | 1030 |
| W6BSY | 1014 |
| WA6AUE | 992 |
| N3AHA | 954 |
| N6TV | 954 |
| N1EE | 946 |
| AG6D | 946 |
| W6RGG | 905 |
| K3EST | 905 |
| KK6QM | 904 |
| W6QHS | 904 |
| N6BT | 874 |
| W6OAT | 874 |
| K6MA | 785 |
| W6BIP | 755 |

Award certificates may be picked up at Visalia or at the April NCCC meeting. Others will be mailed.

Other Scores Received:

| Call | Qs | Score | Contest |
|----------|-----|--------|--------------|
| WA6SDM | 196 | 199644 | BARTG RTTY |
| N6ZB | 799 | 511664 | CQ WW CW S/O |
| KS6H | 955 | 393496 | ARRL 10m CW |
| N6ZB | 886 | 364812 | ARRL 10m |
| N6ZB | 808 | 119584 | ARRL SS CW |
| KS6H/VY1 | 506 | 70840 | ARRL SS Ph |
| KS6H | 400 | 57600 | ARRL SS CW |
| N6ZB | 319 | 29029 | AA CW 15m |
| N6ZB | 226 | 27572 | ARRL SS Ph |
| KS6H | 158 | 12008 | ARRL 160m |

NEXT MEETING

Friday, April 19 Wagon Wheel Restaurant
Begin Sixish Eat Sevenish

Choice of Steak, Chicken, Fish for \$15

Speaker: David B. Leeson, W6QHS
on

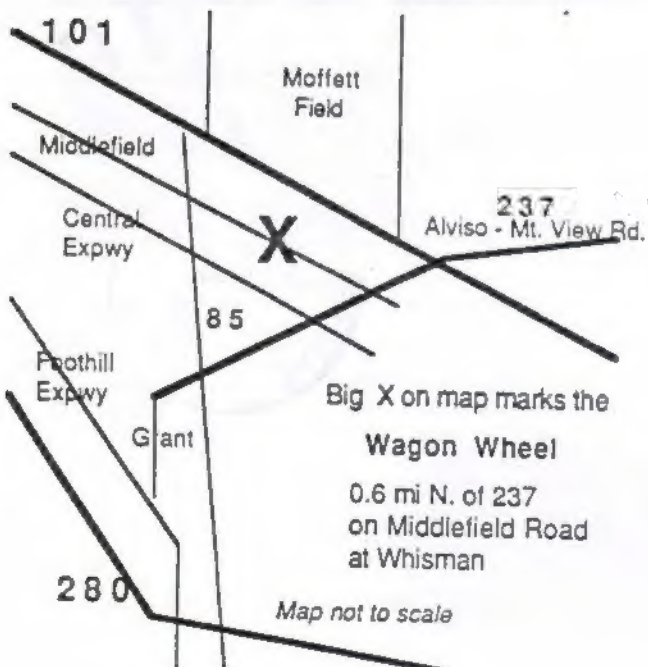
"The Physical Design of Yagi Antennas"

The north wind doth blew, and lo, cometh Dave Leeson to solve the how-to of keeping those big, high, antennas from whirlygigging in not only north, but south, east, and west winds also. This will be a preview of Dave's talk to the Dayton Hamvention multitudes, covering the contents of his just-completed 400 page book for ARRL on the subject. The presentation will be of vital interest to all contesters who own rotary antennas. Hired guns will enjoy it too.

Judy Whittle,
Peg Frazier
N6IG, N6TV,
N6EK



W6REC



N6EK and
WB6MZZQ

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Gentle reader, the editors believe that an unspeakable virus has sabotaged our Baby Mac and may have printed stories in this issue that may or may not bear any resemblance to the facts. We suggest you check other, possibly higher authority, before acting precipitously on any information contained herein.

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